## THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

NOV 0 5 2003

**Applicants** 

: Richard Bolling, Michael E. Speicher, David Williams

Serial No.

: 09/756,453

Filed

: January 8, 2001

Title

: METHOD OF PROVIDING FLOW CONTROL OF HEAT ACTIVATED SEALANT USING A COMBINATION SEALANT/FLOW CONTROL

**AGENT** 

Docket No.

: ADO 0069 PA

**Art Unit** 

: 1711

Examiner

: T. Ribar

**Assistant Commissioner** 

for Patents

Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents,

Washington, DC 20231, on November 3, 2003.

Reg. No. 38,769

Sir:

## <u>AMENDMENT</u>

This paper is being filed in response to the Office Action mailed July 2, 2003. A request for a one-month extension of time accompanies this amendment. Reconsideration and reexamination are respectfully requested in light of the amendments and remarks below.

NOV 0 5 200 SULLE CEIVE

1711/8

PTO/SB/17 (10/03)
Approved for use through 07/31/2006. OMB 0654-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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| FEE TRANSMITTAI | L |
|-----------------|---|
| for FY 2004     |   |

Effective 10/01/2003. Patent fees are subject to annual revision.

| į |   | Applican | t claims | small | entity | status. | See 37 | CFR | 1.27 |
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TOTAL AMOUNT OF PAYMENT

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| Complete if Known             |                                                           |  |  |  |
| Application Number            | 09/756,453                                                |  |  |  |
| Filing Date                   | January 8, 2001                                           |  |  |  |
| First Named Inventor          | Richard Bolling                                           |  |  |  |
| Examiner Name                 | T. Ribar                                                  |  |  |  |
| Art Unit                      | 1711                                                      |  |  |  |
| Attorney Docket No.           | ADO 0069 PA/40013.202                                     |  |  |  |

| METHOD OF PAYMENT (check all that apply)  FEE CALCULATION (continue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FEE CALCULATION (continued) |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|--|--|--|
| Check Credit card Money Other None 3. ADDITIONAL FEES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |  |  |  |  |
| Deposit Account:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             |  |  |  |  |
| Deposit Fee Fee Fee Fee Fee Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fee Paid                    |  |  |  |  |
| Account Number 1051 130 2051 65 Surcharge - late filing fee or oath                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                             |  |  |  |  |
| Deposit Account  1052 50 2052 25 Surcharge - late provisional filing for cover sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ee or                       |  |  |  |  |
| Name 1053 130 1053 130 Non-English specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             |  |  |  |  |
| The Director is authorized to: (check all that apply)  Charge fee(s) indicated below  Credit any overpayments  1812 2,520 For filing a request for ex parte rec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | examination                 |  |  |  |  |
| Charge any additional (av/s) are under under the fac(s) 1804 920* 1804 920* Requesting publication of SIR prior                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | r to                        |  |  |  |  |
| Examiner action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |  |  |  |  |
| Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  1805 1,840* Requesting publication of SIR after Examiner action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <del></del>                 |  |  |  |  |
| FEE CALCULATION 1251 110 2251 55 Extension for reply within first more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | nth 110.00                  |  |  |  |  |
| 1. BASIC FILING FEE 1252 420 2252 210 Extension for reply within second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | month                       |  |  |  |  |
| Large Entity Small Entity 1253 950 2253 475 Extension for reply within third mo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | onth                        |  |  |  |  |
| Fee Fee Fee Fee Description Fee Paid 1254 1,480 2254 740 Extension for reply within fourth m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | nonth                       |  |  |  |  |
| 1001 770 2001 385 Utility filing fee 1255 2,010 2255 1,005 Extension for reply within fifth more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | nth                         |  |  |  |  |
| 1002 340 2002 170 Design filing fee 1401 330 2401 165 Notice of Appeal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |  |  |  |  |
| 1003 530 2003 265 Plant filing fee 1402 330 2402 165 Filing a brief in support of an appe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | eal                         |  |  |  |  |
| 1004 770 2004 385 Reissue filing fee 1403 290 2403 145 Request for oral hearing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |  |  |  |  |
| 1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use pr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | roceeding                   |  |  |  |  |
| SUBTOTAL (1) (\$) -0- 1452 110 2452 55 Petition to revive - unavoidable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |  |  |  |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |  |  |  |  |
| Fee from 1501 1,330 2501 665 Utility issue fee (or reissue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |  |  |  |  |
| Total Claims below Fee Paid 1502 480 2502 240 Design issue fee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |  |  |  |  |
| Independent 1503 640 2503 320 Plant issue fee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             |  |  |  |  |
| Claims 1460 130 Petitions to the Commissioner Multiple Dependent 1807 50 1807 50 Processing fee under 37 CFR 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7(1)                        |  |  |  |  |
| Lorgo Entity L Coroll Fatit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ` "                         |  |  |  |  |
| Fee Fee Fee Fee Fee Fee Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                             |  |  |  |  |
| Code (\$) Code (\$)  1202 18 2202 9 Claims in excess of 20  8021 40 8021 40 Recording each patent assignment property (times number of property)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ies)                        |  |  |  |  |
| 1201 86 2201 43 Independent claims in excess of 3 1809 770 2809 385 Filing a submission after final reje                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ction                       |  |  |  |  |
| 1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | e                           |  |  |  |  |
| 1204 86 2204 43 ** Reissue independent claims examined (37 CFR 1.129(b))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |  |  |  |  |
| over original patent 1801 770 2801 385 Request for Continued Examinat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ` ' \                       |  |  |  |  |
| 1205 18 2205 9 ** Reissue claims in excess of 20 1802 900 Request for expedited examinati of a design application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | on                          |  |  |  |  |
| Other fee (specify)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                             |  |  |  |  |
| **or number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if greater; For Reissues, see above **er number previously paid, if | (\$) 110.00                 |  |  |  |  |

SUBMITTED BY

Name (Print/Type)

Timothy W. Hagan

Registration No. (Attornev/Agent)

Signature

(Complete (if applicable))

Telephone (937) 223-2050

Date November 3, 2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.